

ABSTRACT

A system including sub-networks mounted with different kinds of protocols/profiles, a gate way/proxy for connecting the sub-networks, a gate way/proxy for connecting the sub-networks, and nodes on the sub-networks, the gateway/proxy being mounted with processing of a physical layer and a data link layer as a protocol of the sub-network and processing of a physical layer and a data link layer as a protocol of the sub-network and having a common transport layer and a service proxy and a client proxy shared by the sub-networks.

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